

Sheet 1 of 2

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. <b>09770-095001</b>	Application No. <b>09/616,810</b>
		Applicant <b>LESLIE G. FRITZEMEIER ET AL.</b>	
		Filing Date <b>July 14, 2000</b>	Group Art Unit

Information Disclosure Statement  
by Applicant  
(Use several sheets if necessary)

(37 CFR §1.98(b))

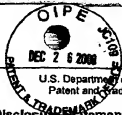
U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>gcm</i>	AA	6,027,564	02/22/2000	Fritzemeier et al.			
	AB						
	AC						
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	AE						
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Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes No
<i>gcm</i>	AL	WO 99/25908	05/27/99				
	AM	WO 99/17307	04/08/99				
	AN	WO 99/16941	04/08/99				
	AO						
	AP						

Other Documents (Include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
<i>gcm</i>	AQ	Beach et al., "Sol-Gel Synthesis of Rare Earth Aluminate Films as Buffer Layers for High Te Superconducting Films," Mat. Res. Soc. Symp. Proc., vol. 495, 263 (1997)
	AR	Lee et al., "Alternative Buffer Architectures for High Critical Current Density YBCO Superconducting Deposits on Rolling Assisted Biaxially-Textured Substrates," Japanese J. Appl. Phys., vol. 38, L178 (1999)
	AS	Paranthaman et al., "Growth of Biaxially Textured RE <sub>2</sub> O <sub>3</sub> Buffer Layers on Rolled-Ni Substrates Using Reactive Evaporation for HTS-Coated Conductors," Superconductor Sci. Tech., vol. 12, 319 (1999)

Examiner Signature <i>Gregory Morris</i>	Date Considered <i>6-25-03</i>
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)

Sheet 2 of 2

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 05770-095001	Application No. 09/616,810
		Applicant LESLIE G. FRITZEMEIER ET AL.	
		Filing Date July 14, 2000	Group Art Unit
		Information Disclosure Statement by Applicant (Use several sheets if necessary)	
(37 CFR §1.98(b))			

Other Documents (Include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
<i>gm</i>	AT	Rupich et al., "Growth and Characterization of Oxide Buffer Layers for YBCO Coated Conductors," IEEE Trans. on Appl. Superconductivity, vol. 9 (1999)
	AU	Shoup et al., "Epitaxial Thin Film Growth of Lanthanum and Neodymium Aluminate Films on Roll-Textured Nickel Using a Sol-Gel Method," J. Am. Cer. Soc., vol. 81, 3019 (1998)
<i>v</i>	AV	"Silicon Processing for the VLSI Era," vol. 1, eds. S. Wolf and R.N. Tanber, Lattice Press, Sunset Park, CA, pp. 539-574 (1986)

Examiner Signature <i>Jeremy M. Jones</i>	Date Considered <i>6-25-03</i>
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Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
05770-095001Application No.  
09/616,810Information Disclosure Statement  
by Applicant

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant

LESLIE G. FRITZEMEIER ET AL.

Filing Date

July 14, 2000

Group Art Unit

## U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
JS	AA	5,231,074	07-27-93	Cima et al.			
	AB						
	AC						
	AD						
	AE						
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	AG						
	AH						
	AI						
	AJ						
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## Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
JS	AL	WO 98/58415	12-23-93				Yes No
	AM						
	AN						
	AO						
	AP						

## Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
JS	AQ	Smith, J.A. et al., "High Critical Current Density Thick MOD-Derived YBCO Films," Transactions on Applied Superconductivity, Vol. 9, No. 2, June 1999
	AR	
	AS	
	AT	

Examiner Signature

Jeremy Norris

Date Considered

6-25-03

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Substitute Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark Office

Attorney's Docket No.  
05770-095001

Application No.  
09/616,810

**Information Disclosure Statement**  
by Applicant

(See several sheets if necessary)

Applicant  
Leslie G. Fritzemeier et al.

Filing Date  
July 14, 2000

Group Art Unit

(37 CFR §1.98)

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
on	AA	5,728,214	03/17/98	Konishi et al.			
	AB	5,964,966	10/12/99	Goyal et al.			
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**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
on	AL	WO 01/98076	12/27/01	WIPO			Yes No
	AM						
	AN						
	AO						
	AP						

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AQ	
	AR	
	AS	
	AT	

Examiner Signature

*Jeremy Hovet*

Date Considered

6-29-03

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR § 1.212(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 05770-095001	Application No. 09/616,810
	Applicant Leslie G. Fritzemeier et al.		Group Art Unit
	Filing Date July 14, 2000		

## U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
JM	AA	4,859,652	08/22/89	Block			
	AB	4,882,312	11/21/89	Mogro-Campero et al.			
	AC	4,956,340	09/11/90	Kimura et al.			
	AD	4,959,347	09/25/90	Kobayashi et al.			
	AE	4,994,435	02/19/91	Shiga et al.			
	AF	5,229,358	07/20/93	Kumar			
	AG	5,236,890	08/17/93	Murakami et al.			
	AH	5,304,533	04/19/94	Kobayashi et al.			
	AI	5,427,055	06/27/95	Ichikawa			
	AJ	5,484,766	01/16/96	Shah et al.			
	AK	5,571,603	11/05/96	Utumi et al.			
	AL	5,958,599	09/28/99	Goyal et al.			
	AM	5,981,445	11/09/99	Kirchnerova et al.			
	AN	6,022,832	02/08/00	Fritzemeier et al.			
	AO	6,077,344	06/20/00	Shoup et al.			
	AP	6,172,009	01/09/01	Smith et al.			
	AQ	6,256,521	07/03/01	Lee et al.			

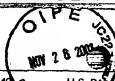
## Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
	AR						Yes No

## Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
JM	AS	G. Moore et al., "Sol-Gel Processing of $Y_1Ba_2Cu_3O_{7-x}$ Using Alkoxide Precursors: Two Systems Yielding High Degrees of Thin Film Orientation and Crystal Growth", <i>Materials Letters</i> , Vol. 7, No. 12, March 1989, pp. 415-424
J	AT	M.W. Rupich et al., "Synthesis of Superconductors from Soluble Metal Oxo Alkoxide Precursors", <i>J. Mater. Res.</i> , Vol. 8, No. 7, July 1993, pp. 1487-1496

Examiner Signature <i>Jeremy Morris</i>	Date Considered 6-25-03
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Sheet 1 of 1

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 05770-095001	Application No. 09/616,810
		Applicant Leslie G. Fritzemeier et al.	
		Filing Date July 14, 2000	Group Art Unit
		(37 CFR §1.98(b))	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
4	AA	6,022,832	02/08/00	Fritzemeier et al.			
	AB	6,172,009	01/09/01	Smith et al.			
V	AC	6,256,521	07/03/01	Lee et al.			
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Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
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	AM							
	AN							
	AO							
	AP							

Other Documents (Include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
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	AR	
	AS	
	AT	

Examiner Signature <i>James Harris</i>	Date Considered 6-25-03
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Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 05770-095001	Application No. 09/616,810
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Leslie G. Fritzemeier et al.	
(37 CFR §1.98(b))		Filing Date July 14, 2000	Group Art Unit



Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date if Appropriate
JM	AA	3,763,552	10/09/73	Brown et al.			
	AB	3,985,281	10/12/76	Diepers et al.			
	AC	4,442,396	04/10/84	Hucker			
	AD	4,659,973	04/21/87	Stich			
	AE	4,994,433	02/19/91	Chiang			
	AF	5,038,127	08/06/91	Dersch			
	AG	5,071,828	12/10/91	Greuter et al.			
	AH	5,073,537	12/17/91	Hung et al.			
	AI	5,449,659	09/12/95	Garrison et al.			
	AJ	5,866,252	02/02/99	de Rochemont et al.			
V	AK	5,968,877	10/19/99	Budai et al.			

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes No
JM	AL	0 387 525	09/19/90	Europe			
	AM	0 431 782	06/12/91	Europe			
	AN	0 584 410	03/02/94	Europe			
	AO	0 872 579	10/21/98	Europe			
	AP	57075564	05/12/82	Japan (Abstract Only)			
	AQ	63310366	12/19/88	Japan (Abstract Only)			
	AR	WO 97/05669	02/13/97	WIPO			
V	AS	WO 99/35083	07/15/99	WIPO			

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Other Documents (Include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
JM	AT	Apicella, M.L. et al., "The Effects of Surface Contamination on the Biaxially Textured Substrate for YBCO Thick Film Deposition", <i>International Journal of Modern Physics B</i> , Vol. 13, Nos. 9&10 (1999) 997-1004

Examiner Signature <i>Jeremy Morris</i>	Date Considered 6-25-03
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 05770-095001	Application No. 09/616,810
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Leslie G. Fritzemeier et al.	
(37 CFR §1.88(b))		Filing Date July 14, 2000	Group Art Unit

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
Jan	AU	Boffa V. et al., "Laser-ablation deposition of $\text{CoO}_2$ thin films on biaxially textured nickel substrates", <i>Physica C</i> , Vol. 312, (1999), pp. 202-212
	AV	IBM Technical Disclosure Bulletin, "Fabrication of High Temperature Superconducting Films Using Perfluoro-Organometallic Precursors", Vol. 32, No. 5B, October 1989, p. 241
	AW	McIntyre, Paul C. et al., "Effect of growth conditions on the properties and morphology of chemically derived epitaxial thin films of $\text{Ba}_2\text{YCu}_3\text{O}_{7-x}$ on (001) $\text{LaAlO}_3$ ", <i>J. Appl. Phys.</i> , Vol. 71, No. 4, February 15, 1992, pp. 1868-1877
	AX	Qing He, D.K. et al., "Deposition of biaxially-oriented metal and oxide buffer-layer films on textured Ni tapes: new substrates for high-current, high-temperature superconductors", <i>Physica C</i> , Vol. 275 (1997) pp. 155-161
	AY	Sheth, Arul et al., "Bench Scale Evaluation of Batch Mode Dip-Coating of Sol-Gel $\text{LaAlO}_3$ Buffer Material", <i>IEEE Transactions on Applied Superconductivity</i> , Vol. 9, No. 2, June 1999, pp. 1514-1518
↓	AZ	PCT Search Report dated June 22, 2001

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Examiner Signature <i>Jeremy Morris</i>	Date Considered <i>6-25-03</i>
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Substitute Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
05770-095001Application No.  
09/616,810Information Disclosure Statement  
by Applicant

(Use several sheets if necessary)

(37 CFR §1.51)

Applicant  
LESLIE G. FRITZEMEIER ET AL.Filing Date  
July 14, 2000

Group Art Unit

## U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
PM	AA	5,741,377	04/21/98	Goyal et al.			
	AB						
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## Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
PM	AL	WO 91/16149	10/31/91	PCT				
	AM							
	AN							
	AO							
	AP							

## Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
PM	AQ	Boffa, et al., "Laser-ablation deposition of CeO <sub>2</sub> thin films on biaxially textured nickel substrates"
	AR	Gupta, et al., "Superconducting oxide films with high transition temperature prepared from metal trifluoroacetate precursors"
	AS	McIntyre, et al., "Epitaxial nucleation and growth of chemically derived Ba <sub>2</sub> Ycu <sub>3</sub> O <sub>7</sub> - x thin films on (001) SrTiO <sub>3</sub> "
	AT	

Examiner Signature

Jeremy Norris

Date Considered

6-25-03

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Substitute Form PTO-1449  
(Mod. 10/97)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
05770-095001Application No.  
09/616,810**Information Disclosure Statement  
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(Use several sheets if necessary)

Applicant  
**LESLIE G. FRITZEMEIER ET AL.**Filing Date  
July 14, 2000

Group Art Unit

U.S. Patent Documents							Filing Date If Appropriate
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	
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Foreign Patent Documents or Published Foreign Patent Applications							Translation
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Yes <input type="checkbox"/> No <input type="checkbox"/>
<i>Jan</i>	AL	0308869	20.09.88	Europe			
	AM	WO92/05591	02.04.92	PCT			
<i>↓</i>	AN	0506582A2	30.09.92	Europe			
	AO						
	AP						

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
<i>Jan</i>	AQ	He et al., "Growth of Biaxially Oriented Conductive LaNiO <sub>3</sub> Buffer Layers on Textured Ni Tapes for High-T <sub>c</sub> -Coated Conductors," <i>Physica C 314</i> (1999) p. 105-111
<i>↓</i>	AR	Koster et al., "Influence of the Surface Treatment on the Homoepitaxial Growth of SrTiO <sub>3</sub> ," <i>Materials Science &amp; Engineering B56</i> (1998) p. 209-212
	AS	Tanaka et al., "Improvement of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> Single-Crystal Surface by Chemical Etching," <i>Jpn. J. Appl. Phys. Vol. 38</i> (1999) p. L731-L733
<i>↓</i>	AT	

Examiner Signature <i>George Norcia</i>	Date Considered <i>6-25-03</i>
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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.